

Title (en)

Line interruption supervisory device for fire alarm systems.

Title (de)

Anordnung zur Überwachung einer Leitungsunterbrechung bei Feueralarmanlagen.

Title (fr)

Dispositif de surveillance à l'égard d'interruption de la ligne de systèmes d'alarme d'incendie.

Publication

EP 0405247 B1 19950412 (EN)

Application

EP 90111298 A 19900615

Priority

JP 16816489 A 19890629

Abstract (en)

[origin: EP0405247A1] A fire alarm system is equipped with a terminating capacitor (CE) connected across the terminal (EL) of a pair of lines (L) to which fire detectors (DE) are connected and with cut-off means (Tr1, Tr2) for cutting off the power supply to the lines in the case of a line interruption test. Furtheron, a discharge means (Tr3) causes the terminating capacitor (CE) to discharge when the power supply to the lines (L) is interrupted, and a discrimination means (MPU) compares the voltage available on the lines before interrupting the power supply with the line voltage after a predetermined time and judges, by the difference of these two voltages, whether there is an open in the lines, or not. Thereby, false operation of the line interruption supervision is prevented, due to a fluctuation of the power supply voltage, and a line interruption is detected reliably, even in fire alarm system having very long lines and a great number of fire detectors connected thereto, by which the discharge voltage is decreased.

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G08B 29/06

IPC 8 full level

G08B 17/00 (2006.01); **G08B 29/06** (2006.01)

CPC (source: EP US)

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Cited by

EP2916303A1; ES2384146A1; EP2169645A1; EP2804163A1; AT501215A1; AT501215B1; US8878552B2; US10089859B2; US11210930B2; WO2013089932A1; WO2014184107A1; WO2019224264A1; WO2011096951A1

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